Molecular and Cellular Biochemistry:

An International Journal for Chemical Biology in Health and Disease

CONTENTS VOLUME 223, Nos. 1 & 2, July 2001

A. Yoon and R.A.R. Hurta: Insulin like growth factor-1 selectively regulates the expression of matrix metalloproteinase-2 in malignant H-ras transformed cells 1–6

A.K. Mandal, K. Roy, P.C. Sil, S.P. Yadav and P.C. Sen: Purification, characterization and partial amino acid sequencing of a 70 kD inhibitor protein of Na^+,K^+-ATPase from goat testis cytosol 7–14

B. Huisamen, M. van Zyl, A. Keyser and A. Lochner: The effects of insulin and β-adrenergic stimulation on glucose transport, glut 4 and PKB activation in the myocardium of lean and obese non-insulin dependent diabetes mellitus rats 15–25

G.T. Ramesh and A.L. Jadhav: Levels of protein kinase C and nitric oxide synthase activity in rats exposed to sub chronic low level lead 27–33

Y. Gu, Y. Zou, R. Aikawa, D. Hayashi, S. Kudoh, T. Yamauchi, H. Uozumi, W. Zhu, T. Kadowaki, Y. Yazaki and I. Komuro: Growth hormone signalling and apoptosis in neonatal rat cardiomyocytes 35–46

S. Ghosh, S. Bhattacharyya, S. Das, S. Raha, N. Maulik, D.K. Das, S. Roy and S. Majumdar: Generation of ceramide in murine macrophages infected with *Leishmania donovani* alters macrophage signaling events and aids intracellular parasitic survival 47–60

J.J.F.P. Luiken, X.-X. Han, D.J. Dyck and A. Bonen: Coordinately regulated expression of FAT/CD36 and FACS1 in rat skeletal muscle 61–69

A. Agrawal, D. Choudhary, M. Upreti, P.C. Rath and R.K. Kale: Radiation induced oxidative stress: I. Studies in Ehrlich solid tumor in mice 71–80

A. Ehsani-Zonouz, A. Golestani and M. Nemat-Gorgani: Interaction of hexokinase with the outer mitochondrial membrane and a hydrophobic matrix 81–87

L. Liu, R.J. Bridges and C.L. Eyer: Effect of cytochrome P450 1A induction on oxidative damage in rat brain 89–94

H.G. Preuss, S. Montamarry, B. Echard, R. Scheckenbach and D. Bagchi: Long-term effects of chromium, grape seed extract, and zinc on various metabolic parameters of rats 95–102

A. Mohammad, S. Bhanot and J.H. McNeill: *In vivo* effects of vanadium in diabetic rats are independent of changes in PI-3 kinase activity in skeletal muscle 103–108

A. Kaasik, K. Paju, A. Minajeva and J. Ohisalo: Decreased expression of phospholamban is not associated with lower β-adrenergic activation in rat atria 109–115

S. Tang, W.-J. He, H. Xu, W.-Y. Liu and K.-C. Ruan: Eukaryotic elongation factor 2 can bind to the synthetic oligoribonucleotide that mimics sarcin/ricin domain of rat 28S ribosomal RNA 117–121

B. Linck, P. Boknik, J. Knapp, K. Kikuchi, H. Lüss, F.U. Müller, K. Nomoto, J. Neumann and W. Schmitz: Functional properties of the rat phosphatase 1α promoter 123–129

M. Yamaguchi, E. Sugimoto and S. Hachiya: Stimulatory effect of menaquinone-7 (vitamin K_2) on osteoblastic bone formation *in vitro* 131–137

P. Colpo, A. Nori, R. Sacchetto, E. Damiani and A. Margreth: Phosphorylation of the triadin cytoplasmic domain by CaM protein kinase in rabbit fast-twitch muscle sarcoplasmic reticulum 139–145

L. Marzban, S. Bhanot and J.H. McNeill: *In vivo* effects of insulin and bis(maltolato)-oxovanadium (IV) on PKB activity in the skeletal muscle and liver of diabetic rats 147–157

Short communication

A. Daman, F. Harris, S. Biswas, J. Wallace and D.A. Phoenix: A theoretical investigation into the lipid interactions of m-calpain 159–163

Index to Volume 223 165–167

Instructions to Authors 169–173

Electronic journals at

KluwerOnline

WWW.KLUWERONLINE.NL

Contact your librarian for more information